

Amendments to the Claims

This listing of claims shall replace all prior versions, and listings, of claims in the application:

Listing of Claims

- 1.-5. (Canceled).
6. (Original) A set-top box comprising:
 - a metallic enclosure having a front face;
 - a non-metallic bezel attached to the front face of the enclosure and defining an interstitial space between the front face and the bezel; and
 - a communications board located in said interstitial space, wherein the communications board includes:
 - an FR-4 circuit board having a thickness of $0.06 \pm 10\%$ inches; and
 - a side-fed patch antenna having the circuit board as a dielectric spacer.
7. (Original) The set-top box of claim 6, wherein the patch antenna further includes:
 - a ground plane on a first side of the circuit board, wherein the ground plane has a width of at least $1.875 \pm 10\%$ inches and a length of at least $2.25 \pm 10\%$ inches;
 - a rectangular patch on a second side of the circuit board opposite the first side, wherein the patch has a width of $1.5 \pm 10\%$ inches and a length of $1.164 \pm 10\%$ inches; and
 - a feed connected to a side of the patch halfway along the width, wherein the feed has a width of $0.07 \pm 10\%$ inches and a length of at least $0.625 \pm 10\%$ inches.
8. (Original) The set-top box of claim 6, wherein the patch antenna is configured to operate between 2.400 and 2.483 GHz.

9. (Original) The set-top box of claim 7, wherein the patch and feed comprise copper cladding having a thickness of approximately 0.063 inches.
10. (Original) The set-top box of claim 6, further comprising:
a radio-frequency ("RF") module coupled to the patch antenna and configured to
convert signals between baseband and an operating frequency range of the
patch antenna.
11. (Original) The set-top box of claim 10, further comprising:
a USB bus interface coupled to the RF module; and
a USB bus that couples the USB bus interface to electronic circuitry in said metallic
enclosure.
12. (Original) The set-top box of claim 6, wherein the communications board is
mounted flush against the front face of the metallic enclosure.
13. (Original) The set-top box of claim 6, wherein the communications board is
mounted about 1.23 inches from the front face of the metallic enclosure.
14. (Original) The set-top box of claim 6, wherein the patch antenna is less than about
0.5 inches from the bezel.